

## DIAGNOSING AND TREATING CANCER CELLS USING Sal2

### Abstract of the Disclosure

The invention features the analysis of Sal2 nucleic acids and proteins for diagnosing and treating patients having proliferative disorders, including cancer,  
5 involving mutations in a *Sal2* gene and encoded protein. The invention also includes transgenic and knockout mice including Sal2 nucleic acids or proteins and mutants thereof. Furthermore, the invention features a method of killing cells carrying a Sal2 alteration using a T-HR mutant.

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